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Reviewer: markspencer

Timestamp: Mon Aug 13 06:28:47 EDT 2007

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Application No: 10593362 Version No: 1.0

Input Set:

Output Set:

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Finished: 2007-08-10 18:15:27.738
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 285 ms
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Total Errors: 0
No. of SeqIDs Defined: 34
Actual SeqID Count: 34

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SEQUENCE LISTING

<110> BRAIN BIOTECHNOLOGY RESEARCH AND INFORMATION NETWORK AG
Verseck, Stefan
Osswald, Steffen
Phong, Wai-Yee
Liebeton, Klaus
Eck, Jurgen

<120> Expression of nitrile hydratases in a two-vector expression system

<130> 009848-0356699

<140> 10593362
<141> 2007-08-10

<150> 10/593,362
<151> 2006-09-18

<150> PCT/EP2005/001688
<151> 2005-02-18

<150> DE 10 2004 013 843.5
<151> 2004-03-20

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<170> PatentIn version 3.1

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Ala Pro Val Ser Asp Arg Ala Trp Ala Leu Phe Arg Ala Leu Asp Gly
20 25 30

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Lys Gly Leu Val Pro Asp Gly Tyr Val Glu Gly Trp Lys Lys Thr Phe
35 40 45

gag gag gac ttc agt cca agg cgc gga gct gaa ttg gtc gct ccg gct 192
Glu Glu Asp Phe Ser Pro Arg Arg Gly Ala Glu Leu Val Ala Arg Ala
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Lys Gly Leu Val Pro Asp Gly Tyr Val Glu Gly Trp Lys Lys Thr Phe																		
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Leu Phe Glu Met Gly Thr Glu Ile Ala Ser Asp Val Glu Ile Arg Val
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Pro His Thr Val Asn Ala Asp Ile Gly Pro Thr Phe His Ala Glu Trp
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Arg His Tyr Met Met Thr Pro Tyr Tyr Glu Arg Tyr Val Ile Gly Val			
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Gly Arg Pro Ala Pro Val Glu Thr Thr Phe Glu Ile Gly Gln Arg			
115	120	125	
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tgg ccg ttt ccc gac gca atc ggc cac ggg cgc aac gac gcc ggc gaa			528
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Glu Pro Thr Tyr His Val Lys Phe Asp Ala Glu Glu Leu Phe Gly Ser			
180	185	190	
gac acc gac ggc ggc agc gtc gta gtc gac ctt ttc gag ggt tac ctc			624
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Ala Phe Ser Val Asp Glu Val Arg Tyr Val Val Glu Arg Met Glu Pro
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Arg His Tyr Met Met Thr Pro Tyr Tyr Glu Arg Tyr Val Ile Gly Val
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Ala Thr Leu Met Val Glu Lys Gly Ile Leu Thr Gln Glu Glu Leu Glu
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Ser Leu Ala Gly Gly Pro Phe Pro Leu Ser Arg Pro Ser Glu Ser Glu
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Gly Arg Pro Ala Pro Val Glu Thr Thr Phe Glu Ile Gly Gln Arg
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Val Arg Val Arg Asp Glu Tyr Val Pro Gly His Ile Arg Met Pro Ala
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Tyr Cys Arg Gly Arg Val Gly Thr Ile Ser His Arg Thr Thr Glu Lys
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Trp Pro Phe Pro Asp Ala Ile Gly His Gly Arg Asn Asp Ala Gly Glu
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85 90 95

gca gtc gaa gac acc ccg acc ctc aag aac gtg atc gtg tgc tcg ctg 336
Ala Val Glu Asp Thr Pro Thr Leu Lys Asn Val Ile Val Cys Ser Leu
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Cys Ser Cys Thr Ala Trp Pro Ile Leu Gly Leu Pro Pro Thr Trp Tyr
115 120 125

aag agt ttc gaa tac cgt gcg cga gtg gtg cgt gag cca cgg aag gtt 432
Lys Ser Phe Glu Tyr Arg Ala Arg Val Val Arg Glu Pro Arg Lys Val
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Leu Ser Glu Met Gly Thr Glu Ile Ala Ser Asp Val Glu Ile Arg Val
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Tyr Asp Thr Thr Ala Glu Thr Arg Tyr Met Val Leu Pro Gln Arg Pro
165 170 175

gca ggc acc gaa ggc tgg agc cag gaa caa ctg cag gaa atc gtc acc 576
Ala Gly Thr Glu Gly Trp Ser Gln Glu Gln Leu Gln Glu Ile Val Thr
180 185 190

aag gac tgc ctg atc ggc gtc gca gtc ccg cag gtc ccc acc gtc tga 624
Lys Asp Cys Leu Ile Gly Val Ala Val Pro Gln Val Pro Thr Val

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Lys Gly Leu Val Pro Asp Gly Tyr Val Glu Gly Trp Lys Lys Thr Phe
35 40 45

Glu Glu Asp Phe Ser Pro Arg Arg Gly Ala Glu Leu Val Ala Arg Ala
50 55 60

Trp Thr Asp Pro Glu Phe Arg Gln Leu Leu Leu Thr Asp Gly Thr Ala
65 70 75 80

Ala Val Ala Gln Tyr Gly Tyr Leu Gly Pro Gln Gly Glu Tyr Ile Val
85 90 95

Ala Val Glu Asp Thr Pro Thr Leu Lys Asn Val Ile Val Cys Ser Leu
100 105 110

Cys Ser Cys Thr Ala Trp Pro Ile Leu Gly Leu Pro Pro Thr Trp Tyr
115 120 125

Lys Ser Phe Glu Tyr Arg Ala Arg Val Val Arg Glu Pro Arg Lys Val
130 135 140

Leu Ser Glu Met Gly Thr Glu Ile Ala Ser Asp Val Glu Ile Arg Val
145 150 155 160

Tyr Asp Thr Thr Ala Glu Thr Arg Tyr Met Val Leu Pro Gln Arg Pro
165 170 175

Ala Gly Thr Glu Gly Trp Ser Gln Gln Glu Leu Gln Glu Ile Val Thr
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Lys Asp Cys Leu Ile Gly Val Ala Val Pro Gln Val Pro Thr Val			
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Pro His Thr Val Asn Ala Asp Ile Gly Pro Thr Phe His Ala Glu Trp			
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Glu His Leu Pro Tyr Ser Leu Met Phe Ala Gly Val Ala Glu Leu Gly			
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Ala Phe Ser Val Asp Glu Val Arg Tyr Val Val Glu Arg Met Glu Pro			
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Arg His Tyr Met Met Thr Pro Tyr Tyr Glu Arg Tyr Val Ile Gly Val			
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Ala Thr Leu Met Val Glu Lys Gly Ile Leu Thr Gln Asp Glu Leu Glu			
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agc ctt gca ggg gga ccg ttc cca ctg tcg cgg ccc agc gaa tcc gaa			336
Ser Leu Ala Gly Gly Pro Phe Pro Leu Ser Arg Pro Ser Glu Ser Glu			
100	105	110	
ggg cgt ccg gca ccc gtc gag acg acc acc ttc gaa atc ggt cag cga			384
Gly Arg Pro Ala Pro Val Glu Thr Thr Phe Glu Ile Gly Gln Arg			
115	120	125	
gta cgc gtg cgc gac gag tac gtt ccg ggg cat att cga atg cct gcg			432
Val Arg Val Arg Asp Glu Tyr Val Pro Gly His Ile Arg Met Pro Ala			
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tac tgc cgc gga cga gtg gga acc atc tct cat cgg act acc gag aag			480
Tyr Cys Arg Gly Arg Val Gly Thr Ile Ser His Arg Thr Thr Glu Lys			
145	150	155	160
tgg cca ttt ccc gac gca atc ggc cac ggg cgc aac gac gcc ggc gaa			528
Trp Pro Phe Pro Asp Ala Ile Gly His Gly Arg Asn Asp Ala Gly Glu			

